



# Remote Sensing Applications Division (RSAD)

## CDR Program Office

Weekly Report for Aug 9, 2013  
Ed Kearns, Acting Chief

|    | CDR<br>PI<br>TM                                 |                       | Assessment      |                             | Deliver Drafts  |                                     |                            |  |  |                     | Review and Provide Feedback                               |  |  |  |  |                                       | Deliver Final Versions                           |                                  |                            |  |                                       |                     | Misc                                      |                               | Archive                    |                 |                 | Release                               |  |                |
|----|---|-----------------------|-----------------|-----------------------------|---|-------------------------------------|----------------------------|--|--|---------------------|---|--|--|--|--|---------------------------------------|--|----------------------------------|----------------------------|--|---------------------------------------|---------------------|---|-------------------------------|----------------------------|-----------------|-----------------|---------------------------------------|--|----------------|
|    |   |                       | Assemble<br>IPT | Perform<br>Assess-<br>ment  | Deliver<br>source<br>code<br>sample<br>and<br>README<br>draft | Deliver<br>Flow<br>Diagram<br>Draft | Deliver<br>C-ATBD<br>Draft | Deliver<br>Maturity<br>Matrix<br>Draft | Deliver<br>Sample<br>netCDF<br>dataset | Deliver<br>SA Draft | Provide<br>feedback<br>on<br>source<br>code and<br>README | Provide<br>feedback<br>on Flow<br>Diagram<br>Draft | Provide<br>feedback<br>on<br>C-ATBD<br>Draft | Provide<br>feedback<br>on<br>Maturity<br>Matrix<br>Draft | Provide<br>feedback<br>on<br>Sample<br>netCDF<br>dataset | Provide<br>feedback<br>on SA<br>Draft | Deliver<br>final<br>source<br>code and<br>README | Deliver<br>final Flow<br>Diagram | Deliver<br>final<br>C-ATBD | Deliver<br>final<br>Maturity<br>Matrix | Deliver<br>final<br>netCDF<br>dataset | Deliver<br>final SA | Create<br>Collection<br>Level<br>Metadata | Conduct<br>Security<br>Review | Archive<br>Code<br>Package | Archive<br>Docs | Archive<br>Data | Make<br>data<br>publicly<br>available | Put data,<br>docs, and<br>code on<br>web<br>page | Conduct<br>ORR |
| 1  | UAT 4Layer<br>MW RSS                            | Mears<br>Kim          | x               | x                           | x   | x                                   | x                          | x                                      | x                                      | x                   | x   | x  | x  | x  | x  | x                                     | x  | x                                | x                          | x                                      | x                                     | x                   | 29-Jan                                    | 7-Feb                         | 30-Jan                     | 30-Jan          | 7-Feb           | 11-Feb                                | 14-Feb   |                |
| 2  | MW Imager<br>SSM/I(S)                           | Kummerow<br>Semunegus | x               | x                           | 19-Apr  | x                                   | x                          | x                                      | x                                      | 23-Apr              | x   | 26-Apr   | 26-Apr                                       | x  | x  | 3-May                                 | 25-Jun   | 18-Jun                           | 26-Jun                     | 18-Jun                                 | 30-May                                | 29-May              | 2-Jul                                     | 16-Jul                        | 16-Jul                     | 25-Jun          | 9-Jul           | 18-Jul                                | 18-Jul   |                |
| 3  | PERSIANN  | Soorosh<br>Nelson     | x               | x                           | 26-Feb  | 30-Jan                              | x                          | 30-Nov                                 | 28-May                                 | 11-Jun              | 4-Mar   | 22-Feb   | 22-Jan                                       | 17-May   | 10-Jun   | 14-Jun                                |  | 17-May                           |                            | 2-Aug                                  |                                       | 10-Jul              |   |                               |                            |                 |                 |                                       | Aug<br>2013                                      |                |
| 4  | AMSU-A FCDR<br>(11 Channels)                    | Zou<br>Semunegus      | x               | x                           | 29-Apr  | 6-May                               | 6-May                      | 6-May                                  | 29-Apr                                 | 25-Jun              | 10-May  | 8-May  | 8-May  | 8-May  | 1-May  | 2-Jul                                 |  | 24-Jul                           | 20-Jun                     |  | 2-Aug                                 | 10-Jul              | 25-Jul                                    |                               |                            |                 |                 |                                       | Sep<br>2013                                      |                |
| 5  | MSU FCDR<br>(3 Channels)                        | Zou<br>Semunegus      | x               | x                           | 29-Apr  | 6-May                               | 6-May                      | 6-May                                  | 29-Apr                                 | 25-Jun              | 10-May  | 8-May  | 8-May  | 8-May  | 1-May  | 2-Jul                                 |  | 24-Jul                           | 20-Jun                     |  | 2-Aug                                 | 10-Jul              | 25-Jul                                    |                               |                            |                 |                 |                                       | Sep<br>2013                                      |                |
| 6  | AMSU-A FCDR<br>(CH7 GPSRO)                      | Ho<br>Shi             | x               | x                           | x   | 22-Jul                              | 28-Jun                     | 22-Jul                                 | x                                      | 15-Jul              | x   | 26-Jul   | 11-Jul                                       | 26-Jul   | x  | DSRR                                  |  | 5-Aug                            |                            | 5-Aug                                  |                                       |                     |   |                               |                            |                 |                 |                                       | Aug<br>2013                                      |                |
| 7  | OISST   | Reynolds<br>Banzon    | x               | x                           | x   | x                                   | 3-Jun                      | x                                      | x                                      | x                   | x   | x  | 10-Jun                                       | x  | x  | x                                     |  | x                                | 10-Jul                     | 12-Jul                                 | x                                     | x                   |   |                               |                            | x               | x               | x                                     | FY13<br>BU                                       |                |
| 8  | Bended Sea<br>Winds                             | Zhang<br>Zhang        |                 |                             |   |                                     |                            |  |  |                     |   |  |  |  |  |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | FY14   |                |
| 9  | HIRS FCDR,<br>Cloud/ Moisture<br>Bundle         | Menzel<br>Young       | x               | 31-Jan                      |   |                                     |                            |  |  |                     |   |  |  |  |  |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | Nov<br>2013                                      |                |
| 10 | Ocean Surface<br>(SST, Sfc Props,<br>Heat Flux) | Clayson<br>Zhang      | x               | 21-Feb                      |   |                                     |                            |  |  |                     |   |  |  |  |  |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | Nov<br>2013                                      |                |
| 11 | ISCCP   | Rossow<br>Knapp       | x               | 17-Jan                      | On hold<br>until<br>funding                                   |                                     |                            |  |  |                     |   |  |  |  |  |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | FY14   |                |
| 12 | OLR Daily                                       | HT Lee<br>Shi         | x               | x                           |   |                                     |                            |  |  |                     |   |  |  |  |  |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | Dec<br>2013                                      |                |
| 13 | Vegetation<br>(Sfc Ref, NDVI)<br>(LAI/FPAR)     | Vermote<br>Matthews   | x               | 17-Jan                      | 22-May<br>24-Jun  | 2-Jul                               | 26-Jul                     |  | 22-May<br>24-Jun                       |                     | 29-May  |  |  |  | 31-May   |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | Dec<br>2013                                      |                |
| 14 | MSU/AMSU<br>Temp Suite                          | Ho<br>Shi             | x               | PI<br>requested<br>1 yr ext |   |                                     |                            |  |  |                     |   |  |  |  |  |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | FY14   |                |
| 15 | AVHRR FCDR<br>(5 CHs, Cloud<br>Properties)      | Minnis<br>Young       |                 |                             |   |                                     |                            |  |  |                     |   |  |  |  |  |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | Mar<br>2014                                      |                |
| 16 | Cryosphere<br>(APP FCDR)<br>(APP-x TCDR)        | Key<br>Young          | 13-Jun          | x                           |   |                                     |                            |  |  |                     |   |  |  |  |  |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | Jun<br>2014                                      |                |
| 17 | AVHRR FCDR<br>(Ch 3b-4-5)                       | Mittaz<br>Banzon      |                 |                             | Monthly<br>Progress<br>Report?                                |                                     |                            |  |  |                     |   |  |  |  |  |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | FY14   |                |
| 18 | Stratospheric<br>(Ozone and Water<br>Vapor)     | Rosenlof<br>Young     |                 |                             |   |                                     |                            |  |  |                     |   |  |  |  |  |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | FY14   |                |
| 19 | Solar Irradiance<br>(Oservational)              | Pilewski<br>Zhao      | x               |                             |   |                                     |                            |  |  |                     |   |  |  |  |  |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | FY14   |                |
| 20 | Solar Irradiance<br>(Composite)                 | Lean<br>Zhao          | x               |                             |   |                                     |                            |  |  |                     |   |  |  |  |  |                                       |  |                                  |                            |  |                                       |                     |   |                               |                            |                 |                 |                                       | FY14   |                |



|    |   |                    | Assessment |              | Deliver Drafts   |   |                            |                      |                               | Review and Provide Feedback   |                  |  |  |                                  |   | Deliver Final Versions                    |                              |                                      |                            |                      |                               | Misc                         |                  | Archive                          |                         |                      | Release      |              |                              |                                      |             |          |          |      |
|----|---|--------------------|------------|--------------|--|---|----------------------------|----------------------|-------------------------------|-------------------------------|------------------|--|--|----------------------------------|---|---|------------------------------|--------------------------------------|----------------------------|----------------------|-------------------------------|------------------------------|------------------|----------------------------------|-------------------------|----------------------|--------------|--------------|------------------------------|--------------------------------------|-------------|----------|----------|------|
|    | CDR                                       | PI                 | TM         | Assemble IPT | Perform Assessment   | Deliver source code sample and README draft   | Deliver Flow Diagram Draft | Deliver C-ATBD Draft | Deliver Maturity Matrix Draft | Deliver Sample netCDF dataset | Deliver SA Draft | Provide feedback on source code and README | Provide feedback on Flow Diagram Draft | Provide feedback on C-ATBD Draft | Provide feedback on Maturity Matrix Draft | Provide feedback on Sample netCDF dataset | Provide feedback on SA Draft | Deliver final source code and README | Deliver final Flow Diagram | Deliver final C-ATBD | Deliver final Maturity Matrix | Deliver final netCDF dataset | Deliver final SA | Create Collection Level Metadata | Conduct Security Review | Archive Code Package | Archive Docs | Archive Data | Make data publicly available | Put data, docs, and code on web page | Conduct ORR |          |          |      |
| 1  | UAT 4Layer MW RSS                         | Mears Kim          |            | 1)           | Completed  | (2/14/13)   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      | 14-Feb      |          |          |      |
| 2  | MW Imager SSM/I(S)                        | Kummerow Semunegus |            | 2)           | Completed  | ORR (7/18); waiting on Jeff to approve the news and social media release; discussions about notifying CLASS users |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      | 18-Jul      |          |          |      |
| 3  | PERSIANN                                  | Soorosh Nelson     |            | 3)           | SA complete; DSRR complete   |   |                            |                      |                               | 28-May                        | 11-Jun           | 4-May                                      | 22-Feb                                 | 22-Jan                           | 17-May                                    | 18-Jun                                    | 14-Jun                       |                                      | 17-May                     |                      |                               | 2-Aug                        |                  | 18-Jul                           |                         |                      |              |              |                              |                                      |             | Aug 2013 |          |      |
| 4  | AMSU-A FCDR (11 Channels)                 | Zou Semunegus      |            | 4)           | All data has been pulled (~39K files); reviewing final MM ratings  |   |                            |                      |                               |                               |                  |  |  |                                  |   | 1-May                                     | 2-Jul                        |                                      | 24-Jul                     | 26-Jun               |                               | 2-Aug                        | 18-Jul           | 25-Jul                           |                         |                      |              |              |                              |                                      |             | Sep 2013 |          |      |
| 5  | MSU FCDR (3 Channels)                     | Zou Semunegus      |            | 5)           | All data has been pulled (~34K files); reviewing final MM ratings  |   |                            |                      |                               |                               |                  |  |  |                                  |   | 1-May                                     | 2-Jul                        |                                      | 24-Jul                     | 26-Jun               |                               | 2-Aug                        | 18-Jul           | 25-Jul                           |                         |                      |              |              |                              |                                      |             | Sep 2013 |          |      |
| 6  | AMSU-A FCDR (CH7 GPSRO)                   | Ho Shi             |            | 6)           | Received final MM and Flow Diagram; waiting on updated SA and DSRR to transfer the data                    |   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      | 5-Aug                         |                              |                  |                                  |                         |                      |              |              |                              |                                      |             | Aug 2013 |          |      |
| 7  | OISST                                     | Reynolds Banzon    |            | 7)           | Submitted C-ATBD and updated MM to Library   |   |                            |                      |                               |                               |                  |  |  | 6-Jul                            | 12-Jul                                    | 4-Jul                                     | 6-Jul                        |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             | FY13 BU  |          |      |
| 8  | Banded Sea Winds                          | Zhang Zhang        |            | 8)           | Sent templates and sample ORR checklist to PI  |   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             | FY14     |          |      |
| 9  | HIRS FCDR, Cloud/ Moisture Bundle         | Menzel Young       |            | 9)           | Code looks easy to run; PI only sending code (not data) for CTP and TPW; Cao work for N6, 7, 8 calibration |   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             | Nov 2013 |          |      |
| 10 | Ocean Surface (SST, Sfc Props, Heat Flux) | Clayson Zhang      |            | 10)          | This bundle will still break out into several CDRs   |   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             | Nov 2013 |          |      |
| 11 | ISCCP                                     | Rossow Knapp       |            | 11)          | Waiting on funding to continue work  |   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             | FY14     |          |      |
| 12 | OLR Daily                                 | HT Lee Shi         |            | 12)          |  |   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             |          | Dec 2013 |      |
| 13 | Vegetation (Sfc Ref, NDVI) (LAI/FPAR)     | Vermote Matthews   |            | 13)          | PI delivered draft C-ATBD  |   |                            |                      |                               | 22-May                        | 14-Jun           | 28-May                                     |  |                                  |   | 31-May                                    |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             |          | Dec 2013 |      |
| 14 | MSU/AMSU Temp Suite                       | Ho Shi             |            | 14)          | PI requested 1 yr ext  |   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             |          | FY14     |      |
| 15 | AVHRR FCDR (5 CHs, Cloud Properties)      | Minnis Young       |            | 15)          |  |   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             |          | Mar 2014 |      |
| 16 | Cryosphere (APP FCDR) (APP-x TCDR)        | Key Young          |            | 16)          | Can provide NRT updates (3 day lag)  |   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             |          | Jun 2014 |      |
| 17 | AVHRR FCDR (Ch 3b-4-5)                    | Mittaz Banzon      |            | 17)          |  | Monthly Progress Report?  |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             |          | FY14     |      |
| 18 | Stratospheric (Ozone and Water Vapor)     | Rosenlof Young     |            | 18)          |  |   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             |          | FY14     |      |
| 19 | Solar Irradiance (Observational)          | Pilewski Zhao      |            | 19)          |  |   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             |          |          | FY14 |
| 20 | Solar Irradiance (Composite)              | Lean Zhao          |            | 20)          |  |   |                            |                      |                               |                               |                  |  |  |                                  |   |   |                              |                                      |                            |                      |                               |                              |                  |                                  |                         |                      |              |              |                              |                                      |             |          |          | FY14 |

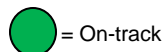


## SCHEDULE OF DELIVERABLES - CDRP 2012 O&M Contracts and Grants

| Name of PI/Institution   | Applications   | Implementa<br>tion Plan                                   | Main Update   | Routine updates  | QA Tools/Process | IP<br>License | CDRP action required?  |
|--|--|---|---|--|------------------|---------------|--|
| Christy, J./UAH<br><b>Mean Layer Temperatures - UAH</b>                  | - <i>Atmospheric Temperature Profiles</i><br>- <i>Numerical Weather Prediction</i>       | 11/7/2012<br>CDRP-PLAN-0296                               | To be coordinated with CDRP, new version - should deliver Aug/Sep | Monthly/8th day of the succeeding month - once delivered         | 7/12/2013        | YES           | No   |
| Evans, B./UM (CICS-NC)<br><b>Sea Surface Temperature - Pathfinder</b>    | - <i>El Nino/La Nina Prediction</i><br>- <i>Coral Reef Monitoring</i><br>- <i>IMPACT</i> | 9/12/2012<br>CDRP-PLAN-0290                               | Received 2011, will receive 2012 in June 2013                     | Monthly/10th day of the succeeding month                         | 10/23/2012       | NO            | <b>YES</b><br><b>CH</b> - route the CR questionnaire form<br><b>CH</b> - complete a CR form and route to SME for input                                     |
| Heidinger, A./NOAA-STAR<br><b>AVHRR Ch1-2-3a Reflectance - PATMOS-x</b>  | - <i>Global Cloud Coverage</i><br>- <i>Agriculture Assessment</i>                        | 8/16/2012<br>CDRP-PLAN-0223                               | Will be delivering entire POR re-processed in netCDF format       | Daily/Within 7days of the observation date                       | 9/1/2012         | N/A           | <b>YES</b><br><b>CH</b> - monitor progress with needed changes in the SA   |
| Ho, B./UCAR<br><b>AMSU-A ch9 Brightness Temperatures</b>                 | - <i>Upper Air Climate Monitoring</i><br>- <i>GPS Accuracy</i>                           | 11/5/2012<br>CDRP-PLAN-0294 (CH9)<br>CDRP-PLAN-0295 (CH7) | To be coordinated with CDRP, new version                          | Quarterly/10th day of the month following the end of the quarter | 12/17/2012       | YES           | <b>YES</b><br><b>CH</b> - monitor progress with needed changes in the SA   |
| Mears, C./RSS (CICS-NC)<br><b>Mean Layer Temperatures - RSS</b>          | - <i>Atmospheric Temperature Profiles</i><br>- <i>Numerical Weather Prediction</i>       | 10/30/2012<br>CDRP-PLAN-0301                              | 1/15/2013   | Monthly/8th day of the succeeding month                          | 12/15/2012       | YES           | No   |
| Meier, W./U of CO<br><b>Sea Ice Concentration</b>                        | - <i>Arctic Shipping Routes</i><br>- <i>Wildlife Management</i><br>- <i>IMPACT</i>       | 11/1/2012<br>CDRP-PLAN-0285                               | 4/30/2013   | N/A  | 12/1/2012        | YES           | No   |
| Robinson, D./Rutgers<br><b>Snow Cover Extent (NH)</b>                    | - <i>Climate Monitoring</i><br>- <i>Water Resource Management</i>                        | 10/11/2012<br>CDRP-PLAN-0297                              | N/A   | Monthly/5th day of the succeeding month                          | 11/10/2012       | YES           | <b>YES</b><br><b>OB</b> - review final source code<br><b>AB</b> - review final data set<br><b>SME</b> - review final docs<br><b>CH</b> - review final docs |
| Wentz, F./RSS (CICS-NC)<br><b>SSM/I(S) Brightness Temperatures - RSS</b> | - <i>Precipitation Patterns</i><br>- <i>Hurricane Intensity Estimates</i>                | 11/1/2012<br>CDRP-PLAN-0308                               | To be coordinated with CDRP, new version                          | Monthly/10th day of the succeeding month                         | 7/12/2013        | YES           | <b>YES</b><br><b>JP</b> - contact PI about waiver and disclaimer   |

# Cooperative Institutes STATUS – August 9, 2013

| CDR  | PI         | Funding vehicle | SOW sent to PI | Submitted to NOAA | Proposal Reviewed by NCDC | Funds Obligated |
|--|------------|-----------------|----------------|-------------------|---------------------------|-----------------|
| <b>TIER 1</b>  |            |                 |                |                   |                           |                 |
| HIRS Outgoing Longwave Radiation (OLR)   | Lee        | CICS – U of MD  |                |                   |                           |                 |
| ISCCP - Cloud Climatology Project  | Rossow     | CICS – U of MD  |                |                   |                           |                 |
| SSM/I, SSMIS and Future Microwave Imagers  | Kummerow   | CIRA            |                |                   |                           |                 |
| Atmospheric Temperature Profile (Mears [A]MSU) (ARC +)   | Mears      | CICS - NCSU     |                |                   |                           |                 |
| Sea Ice Concentration Climate Data Record  | Meier      | CIRES           |                |                   |                           |                 |
| AVHRR Pathfinder Atmospheres - PATMOS-X (FCDR)   | Heidinger  | BOP             |                |                   |                           |                 |
| Sea Surface Temperature CDR (Pathfinder AVHRR)   | Evans      | CICS - NCSU     |                |                   |                           |                 |
| <b>TIER 2</b>  |            |                 |                |                   |                           |                 |
| A Terrestrial Surface Climate Data Record for Global Change Studies  | Justice    | CICS – U of MD  |                |                   |                           |                 |
| Development of a 20-year Database of Ocean Surface and Near-Surface Properties                                   | Clayson    | CINAR           |                |                   |                           |                 |
| PERSIANN - Precipitation   | Sorooshian | CICS - NCSU     |                |                   |                           |                 |
| Mitigating Sensor to Sensor Differences (supports Menzel)  | Cao        | BOP             |                |                   |                           |                 |
| Generating consistent radiance SDRs and deep-layer atmospheric temperature TCDRs                                 | Zou        | BOP             |                |                   |                           |                 |
| Total Solar Irradiance (TSI) observational   | Pilewskie  | CIRES           |                |                   |                           |                 |
| RSS Version-7 SSM/I FCDR   | Wentz      | CICS - NCSU     |                |                   |                           |                 |
| <b>TIER 3</b>  |            |                 |                |                   |                           |                 |
| Multi-year variability of O3, H2O, and T through the strato  | Rosenlof   | BOP             |                |                   |                           |                 |
| Cryosphere Bundle (IST, Albedo, Sea Ice Thickness/Age/Conc./Motion/Melt-Freeze Dates, Snow Cover) -- AVHRR/MODIS | Key        | BOP             |                |                   |                           |                 |



= On-track




= Potential management action required




= Management attention required

# Contract STATUS – August 9, 2013

| CDR  | PI       | Funding vehicle | SOW sent to PI | Submitted to NESDIS for DOC Legal Review | Assigned to Attorney | Funds Obligated |
|--|----------|-----------------|----------------|--|----------------------|-----------------|
| <b>TIER 1</b>  |          |                 |                |  |                      |                 |
| Snow and Ice CDR (ARC +)                             | Robinson | contract        |                |  |                      | 7/29 /2013      |
| UAH MSU/AMSU Brightness Temperatures (ARC +)         | Christy  | contract        |                |  |                      | 8/7/2013        |
| <b>TIER 2</b>  |          |                 |                |  |                      |                 |
| Calibrated AMSU-A Channel 7&9 Brightness Temperature | Ho       | contract        |                |  |                      | 8/7/2013        |
| <b>TIER 3</b>  |          |                 |                |  |                      |                 |

 = On-track

 = Potential management action required

 = Management attention required

# INTERAGENCY AGREEMENTS - August 9, 2013

| PI       | Description of Activity   | Date Submitted to NESDIS | OGC Attorney   | Received OGC Clearance | Entered into Force              | Funds Availability | Notes / Comments  |
|----------|---|--------------------------|----------------|------------------------|---------------------------------|--------------------|---|
| Callahan | Amendment #2: Generation of Altimeter Climate Data Records Using Retracking and Updated Corrections                                     | 6/11/2013                | Alice McKenna  | 7/9/2013               | Approved NASA Signature pending | TBD                | Agreement expires 9/30/2014. OGC cleared on 6/24/2013.  |
| Lean     | IAA supporting the Total Solar Irradiance Composite Climate Data Record and the Spectral Solar Irradiance Composite Climate Data Record | 6/28/2013                | Hector Benitez | Pending 8/5/2013       | TBD                             | TBD                | IAA and D&F forwarded to NCAD on 6/12/2013. D&F signed by Contracting Officer (NCAD) on 6/27/2013. Attorney contacted Nikonda, expects to submit clearance memo for approval. |
| Minnis   | IAA supporting the AVHRR Shortwave Fundamental Climate Data Record and the Cloud Properties Thematic Climate Data Record                | 7/18/2013                | Jeff Roberson  | Pending 8/06/2013      | TBD                             | TBD                | Contract Law Division (CLD) provided clearance on 7/17/2013;  |
| Vermote  | IAA supporting the AVHRR Surface Reflectance FCDR and the Normalized Difference Vegetation Index TCDR                                   | 6/21/2013                | Britt Carlson  | 7/22/2013              | NASA Signature Pending          | TBD                |   |
| Meier    | IAA supporting the Microwave Sea Ice Concentration TCDR and Near Real Time ICDR   | 7/19/2013                | Nick Kornegay  | Pending 8/1/2013       | TBD                             | TBD                | Increased funding by \$4K. Meier reports to NASA for duty on August 12, 2013.   |
| Stone    | Amendment #2: No-cost extension to extend the expiration date from September 30, 2013 to December 31, 2013                              | 6/11/2013                | Mark Talarico  | 7/9/2013               | Approved 7/16/2013              | N/A                | No-cost time extension approved   |
|          |   |                          |                |                        |                                 |                    | Amendment #2 extends the termination date to December 31, 2013.   |

### Weekly Report – August 9, 2013

#### VIIRS

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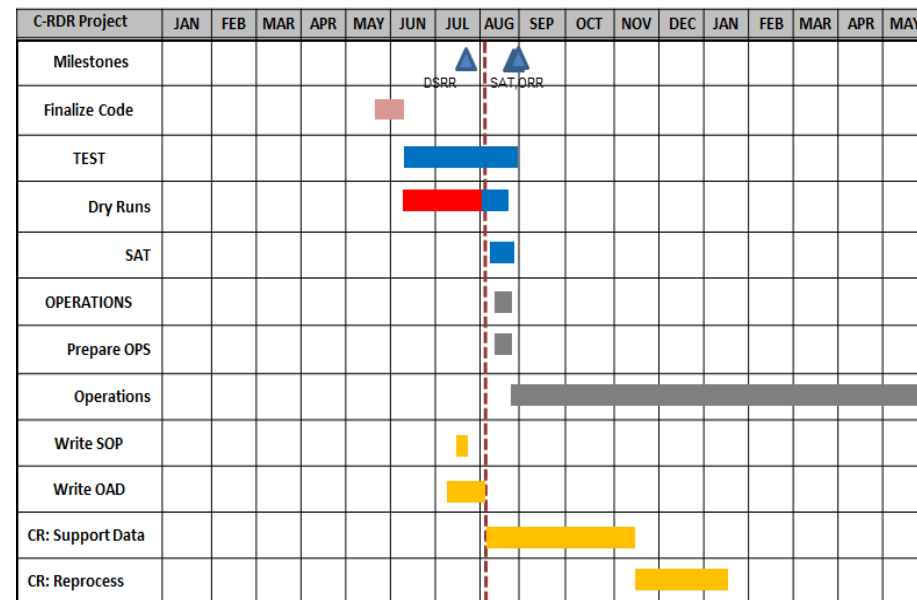
- Completed code for C-RDR.

②

#### System Infrastructure

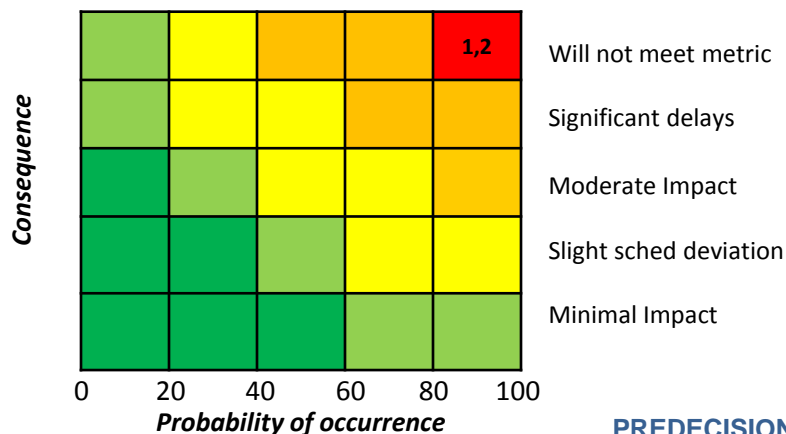
- Integrating with the VIIRS C-RDR.

- Setup Ingest & Archive System (IAS) in the TEST environment.
- Working with ITB resolving remaining issues for 3 tier environment.
- Working on the OAD.
- Completed build of C-RDR on the TEST container.
- Evaluating JPSS support data Change Requests and their effects.
- C-RDR is first product moving to three tier environment .
- Initial verification of SDR from C-RDR compared successfully.
- VIIRS Product Specification is ITAR approved.
- C-RDR access via HAS (two years of tapes for HDSS).
- Integrating: Ingest data from CLASS and producing C-RDRs.
- Will deliver initial version with ADL 3.1.



R2O PHASE: ANALYSIS DESIGN DEVELOPMENT INTEGRATION TEST OPERATIONAL

### Risk Matrix



### Risk and Mitigation

#### VIIRS, CrIS, ATMS –

- Resources are being reduced. Delivery of CrIS and ATMS will be delayed.
- Operational software is under maintenance, updated versions may affect C-RDR ported version.

#### System Infrastructure –

Reliability of NPP RDRs from CLASS. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.  
Reliability of Blade Center administration support. ITB admin position remains unfilled. ITB is working to fill the position.

PREDECISIONAL DRAFT INFORMATION

# CDR Program Office

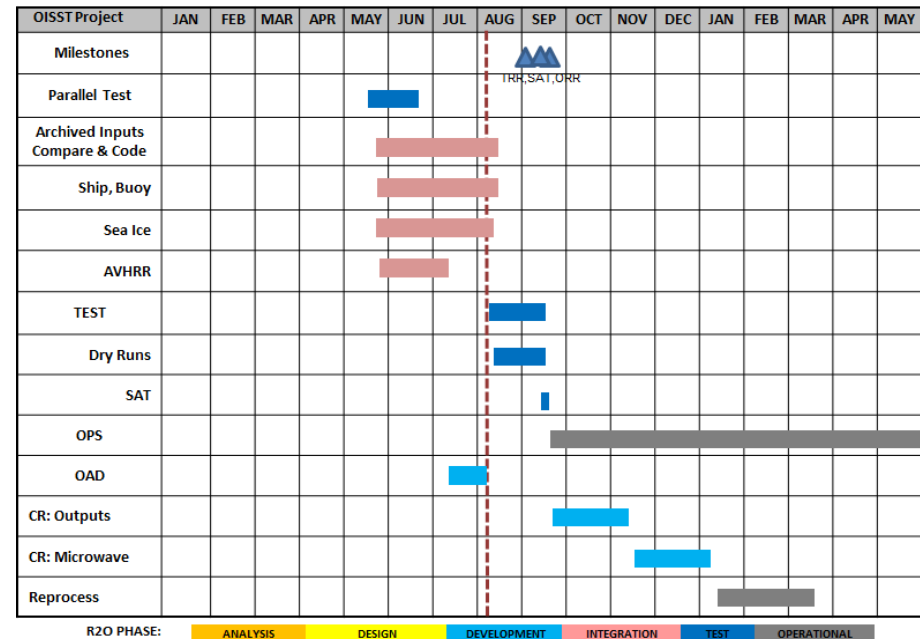
## OISST Research to Operations Project

### Weekly Report – August 9, 2013

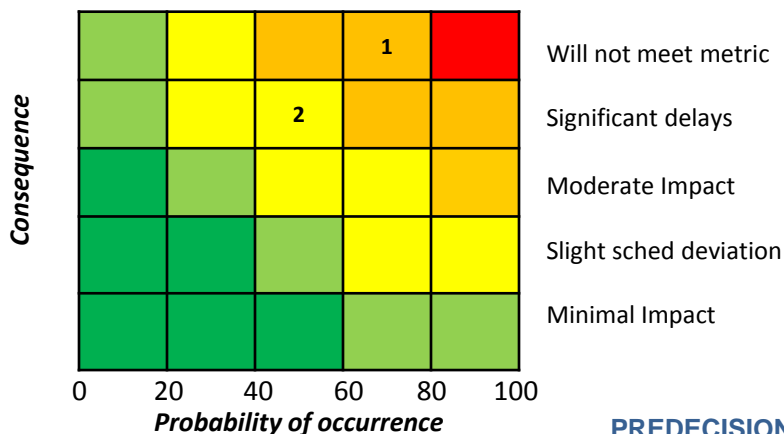
#### 1 OISST – Optimum Interpolated Sea Surface Temperature

- Attended CDR conference.
- Completing analysis of the Sea Ice products.
- Update schedule with identified inputs.
- Working on the OAD.
- Documenting procedures for System Acceptance Test.
- Successfully completed 30 day parallel test.
- Comparing NCDC GTS with NCEP ship/buoy data for use. GCAD is resolving issues but requires new operational code.
- AVHRR data for the 15 day delay product is available from CLASS.
- Running test data and code on Rainband for parallel test.
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Completed refactoring of each component.
- Conducted Technology Assessment Review July 25.

Operations:



### Risk Matrix



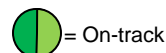
### Risk and Mitigation

1 Transition to archived inputs for 15 day delay (final) product requires scientific comparison. Schedule depends on successful comparison for transition implementation. Will make an assessment of best way forward after initial comparisons.

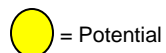
2 ITB support is required to move through the three tier environment.

PREDECISIONAL DRAFT INFORMATION

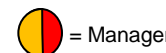
8/12/2013



= On-track



= Potential management action required



= Management attention required